

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CTR ACCEPTANCE

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO.	AMENDMENT	OB/DOTR NUMBER	APPROPRIATE
QSS Group, Inc.	NASS- 99124 TASK NO. 269		582-315-40-12-89	FY(00)

TASK TITLE: (NTE 80 characters: include Project name)

Flight Software Advanced Operating System Research Support

APPROVALS: (Type or print name and sign)

ASSISTANT TECHNICAL REPRESENTATIVE FOR TASK MONITOR

Alan Cudmore	DATE 4/18/00	ORG CODE 582	MAIL CODE 582	PHONE 286-4339
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BRANCH HEAD

Elaine Shell	DATE 4/18/00	CODE 582	PHONE 286-2628
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CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)

Robert S. Lebair, Jr.	DATE 4/19/00	CODE 560	PHONE 301-286-6588
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FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE?

(IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)

(X) NO () YES

CONTRACTING OFFICER'S QUALITY REP.

Larry Moore

DESIGNATED FAM:

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)

C.O. Requested Quote on:
Date:

Contractor will develop specification or statement of work under this task for a future procurement.

(X) NO () YES

Flight hardware will be shipped to GSFC for testing prior to final delivery.

() NO

() YES

(X) N/A

Government Furnished Property/Facilities (X) NO () YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance:

() NO

(X) YES

If yes:

(X) TOTAL

() PARTIAL

If partial, indicate onsite work in SOW by asterisk (*)

Surveillance Plan Attached:

(X) NO

() YES

Highlighted Contract Clauses:

(to be completed by Contracting Officer)

INCENTIVE FEE STRUCTURE

(check one)

	<u>X</u> No. 1	No. 2	No. 3	No. 4	No. 5
Cost	10%	50%	25%	25%	10%
Schedule	15%	25%	25%	50%	20%
Technical	75%	25%	50%	25%	70%

(To be completed by Contracting Officer)

The target cost of this task order is \$_____.

The target fee of this task order is \$_____.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$_____.

The maximum fee is \$_____.

The minimum fee is \$0.

AUTHORIZED SIGNATURE:

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

SIGNATURE OF CONTRACTING OFFICER

DATE

TYPED NAME OF CONTRACTING OFFICER

CONTRACTOR'S ACCEPTANCE:

AUTHORIZED SIGNATURE

DATE

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QSS Group, Inc.	NAS5- 99124	269	

Applicable paragraphs from contract Statement of Work: 2D-6; 2E-5

STATEMENT OF WORK: (Continue on blank paper if additional space is required)

The contractor shall provide discipline Flight Software Research and Development services to the Flight Software Branch. Specifically, the contractor shall:

1. Research and learn advanced flight operating system architectures and standards, such as POSIX and Embedded Linux.
2. Port selected flight software components from existing missions to advanced flight operating system architectures (POSIX).
3. Assist in setup and maintenance of embedded hardware and software platforms in the Code 582 Flight Software Technology Lab.
4. Assist in the development and execution of processor and operating system performance benchmark programs.
5. Contribute to documentation products related to the advanced flight operating system research.
6. Participate in demonstrations and presentations of technology developed.

PERFORMANCE SPECIFICATIONS:

Requirements, design, coding, and test standards shall be in accordance with standard practices within Code 582.

APPLICABLE DOCUMENTS:

None

TASK END DATE: 6/31/01

MILESTONES/DELIVERABLES AND DATES:

1. 7/31/00 Flight Software POSIX String setup completed
2. 8/31/00 Deliver Selected MIDEX/MAP flight software components ported to POSIX
3. 8/31/00 Demonstrate Selected MIDEX/MAP flight software components running in POSIX
4. 11/31/00 Deliver Selected SMEX Lite flight software components ported to POSIX
5. 11/31/00 Demonstrate Selected SMEX Lite flight software components running in POSIX
6. 1/31/01 Complete Port of selected benchmark programs to POSIX
7. 3/31/01 Complete assigned sections of POSIX Performance Report
8. 4/31/01 Complete assigned sections of POSIX Flight Software Platform Definition

PERFORMANCE STANDARDS:

Schedule: Deliverables received by stated or mutually accepted deliverable dates
Technical: Acceptance of deliverables by the ATR

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

Alan Cudmore, building 23, room W307